

**To:** LEE, LILY[LEE.LILY@EPA.GOV]  
**From:** Terry, Robert  
**Sent:** Mon 4/18/2016 4:19:40 PM  
**Subject:** RE: When did EPA create BPRG and SPRG calculators?

Thanks!

**From:** LEE, LILY  
**Sent:** Monday, April 18, 2016 8:22 AM  
**To:** Terry, Robert <Terry.Robert@epa.gov>  
**Subject:** Fwd: When did EPA create BPRG and SPRG calculators?

Lily Lee

USEPA Region 9

Superfund Division

415-947-4187

Begin forwarded message:

**From:** "Walker, Stuart" <Walker.Stuart@epa.gov>  
**Date:** April 18, 2016 at 8:10:42 AM PDT  
**To:** "LEE, LILY" <LEE.LILY@EPA.GOV>  
**Subject:** RE: When did EPA create BPRG and SPRG calculators?

Rob is right, neither calculator was finished in 2006. There were no EPA recommended methods for assessing risks for the pathways addressed by either the BPRG or SPRG calculator.

BPRG transmittal note to regions is dated August 29, 2007

<http://semspub.epa.gov/src/document/HQ/176319>

SPRG transmittal note is dated January 16, 2009

<http://semspub.epa.gov/src/document/HQ/176320>

**From:** LEE, LILY

**Sent:** Monday, April 18, 2016 1:35 AM

**To:** Walker, Stuart <Walker.Stuart@epa.gov>

**Subject:** When did EPA create BPRG and SPRG calculators?

Dear Stuart,

Thank you again for your help. Rob suggested that we ask you when EPA created the BPRG and SPRG calculators.

Dan Hirsch asked why the 2006 release criteria did not reference any EPA approaches. Below is our exchange so far about this. Would you know what would have been considered appropriate?

Rob - EPA's PRGs for soil can be calculated using what we ordinarily call the PRG calculator, which is used to calculate PRGs for soil. PRGs for outdoor surfaces can be calculated using the SPRG (surface PRGs) calculator; PRGs for indoor surfaces can be calculated using the BPRG (building PRGs) calculator. EPA also has calculators for calculating risk-based contaminant limits for water, food and other potential exposure pathways.

Lily - Do you know of any reason why in 2006 that surfaces release criteria wouldn't have had a footnote to reference to one of these other forms of the PRG Calculators? When did EPA create those models? What would have been the appropriate EPA approach for buildings?

Rob - You should check with Stuart Walker. The online BPRG and SPRG calculators were still in development when I came to EPA in 2007. The models used by the BPRG and SPRG calculators are an appropriate approach to the problem, but the details would not all have been worked out in 2006.

Lily Lee

Cleanup Project Manager

Superfund Division

U.S. Environmental Protection Agency, Region 9

75 Hawthorne St. (SFD-8-3)

San Francisco, CA 94105

Tel: 415-947-4187, Fax: 415-947-3518

[www.epa.gov/region9/superfund](http://www.epa.gov/region9/superfund)